

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-21. *(Cancelled)*

22. *(New)* An enterprise network management portal system for monitoring and managing at least one enterprise network, wherein each enterprise network includes at least one server system and a plurality of network management means for monitoring the status of each server system and generating management data concerning monitored operating events of the monitored server system that are in need of correction, and wherein the management data include device status data, event data, and device performance monitoring data, the system comprising:

portal means for providing an interface to the plurality of network management means for:

- (a) receiving the management data from the plurality of computer network management means of an enterprise network and providing the management data for the plurality of network management means to a client for display to a user and
- (b) generating workflows that provide corrective measures for monitored operating events that are in need of correction, wherein the client is coupled to the at least one computer network management means.

23. (*new*) The system of claim 22, wherein the at least one enterprise network includes a firewall, wherein the at least one server system, the plurality of computer network management means, and the client are behind the firewall, and wherein the portal means also performs the function of acting as a proxy behind the firewall between the client, the at least one computer network management means, and at least one server system.

24. (*new*) The system of claim 22, wherein the portal means includes:

- (a) management interface means for providing application and data interface functionality between the at least one computer network management means and the client; and
- (b) workflow means for receiving the management data from the plurality of computer network management means and providing in response to the management data one or more workflows for responding to monitored operating events that are in need of correction.

25. (*new*) The system of claim 24, wherein the portal means provides the management data in a single user-viewable display screen, regardless of whether the plurality of computer network management means are compatible with each other.

26. (*new*) The system of claim 25, wherein the management interface means includes:

- (1) means for receiving the management data and assembling the management data from each of the computer network management means into at least one data display channel for presentation of the management data to a user on a real-time basis in the single user-viewable display screen;
- (2) means including a map of user ID and logon password data for each computer network management means that a user is authorized to access for providing the user with single logon functionality, whereby the user does not have to logon separately to each computer network management means; and
- (3) means for segmenting access to network management services in accordance with predetermined user and role segmentation rules.

27. (new) The system of claim 24, wherein the management interface means performs the additional functions of storing:

- (1) preset management system window configuration data for the user-viewable display screens for the client,
- (2) client modified window configuration data,
- (3) user logon data that may be required for a user to access the at least one computer network management means, and
- (4) channel format data for facilitating an interface with the at least one computer network management means through one of a firewall and within an intranet.

28. (*new*) The system of claim 25, wherein the management interface means includes:

- (1) client view means for enabling users to select channels for viewing and to customize the layout in the single user-viewable display screen, for receiving view data, for receiving the management data and assembling the management data from each of the computer network management means into at least one channel for presentation of the management data to a user on a real-time basis in the single user-viewable display screen, and for managing the management data to prevent any one of the at least one computer network management means from taking over the client;
- (2) channel format means for interfacing with the computer network management means to request management data, for receiving the requested management data for presentation to users through the client view means, and for performing functionality through the computer network management means; and
- (3) user login means for providing users with single logon functionality for access to the computer network management means.

29. (*new*) The system of claim 28, wherein the view data includes at least one of preset client view formats, role or user-restricted view formats, user modified view formats, and other formats that include channel identification data, window size data, data field display data.

30. *(new)* The system of claim 24, wherein the workflow means performs the additional function of enabling at least two unrelated computer network management means to be tied together through a common platform.

31. *(new)* The system of claim 24, wherein the workflow means includes:

(1) interface format means for transferring data fields between the client and the plurality of computer network management means in accordance with predetermined data field definitions;

(2) workflow edit means for enabling an operator to set up a workflow for performing functions including device troubleshooting and event management and for generating workflow sequence data;

(3) workflow execution means for receiving the workflow sequence data from the workflow edit means, for executing a workflow sequence in response to an execution command received from a user, for interfacing with the plurality of computer network management means in accordance with the workflow received from the workflow edit means, and for transferring data fields in accordance with previously-defined rules; and

(4) element information means for providing network element data for one of use in workflows and in response to workflows executed through the workflow execution means.

32. (new) The system of claim 31, wherein the interface format means also performs the function of performing format conversions required for transfer of the data fields.

33. (new) The system of claim 31, wherein the workflow execution means carries out the function of transferring data fields using the interface format means.

34. (new) The system of claim 31, wherein the workflow execution means also performs the function of prompting the user to make a selection, enter data, and terminate a workflow.

35. (New) The system of claim 22, wherein the system monitors and manages a plurality of enterprise networks, and wherein the portal means provides all the management data to a client external to the at least one enterprise network.

36. (New) The system of claim 22, wherein the system monitors and manages a single enterprise networks, and wherein the portal means provides all the management data to at least one client that forms a part of the enterprise network.

37. *(New)* A combination enterprise network and enterprise network management portal system comprising the system of claim 22, and further comprising at least one enterprise network, wherein the at least one enterprise network includes:

at least one server system and
a plurality of computer network management means for monitoring the status of the at least one server system and generating management data concerning monitored operating events of the at least one server system that are in need of correction.

38. *(new)* The enterprise network and portal system of claim 37, wherein the portal means includes:

(a) management interface means for providing application and data interface functionality between the at least one computer network management means and the client; and
(b) workflow means for receiving the management data from the plurality of computer network management means and providing in response to the management data one or more workflows for responding to monitored operating events that are in need of correction.

39. *(New)* The enterprise network and portal system of claim 37, comprising a plurality of enterprise networks, wherein the system of claim 22 monitors and manages the plurality of enterprise networks, and wherein the portal means provides all the management data to one client external to the plurality of enterprise networks.

40. (New) A method for monitoring and managing at least one enterprise network, wherein the enterprise network includes a server system and a plurality of computer network management means for monitoring the status of the at least one server system and generating management data concerning monitored operating events of the at least one server system that are in need of correction, the method comprising the steps of:

- monitoring the server system using the computer network management means;
- using the at least one computer network management means to generate management data concerning monitored operating events of the server that are in need of correction, wherein the management data include device status data, event data, and device performance monitoring data;
- providing the management data to a client for display to a user, wherein the client is coupled to the plurality of computer network management means;
- detecting at least one operating event in need of correction;
- presenting to a user via the client at least one workflow in response to the at least one detected operating event; and
- in response to user selection of at least one workflow, using the at least one workflow to correct the monitored operating events that are in need of correction, thereby managing the enterprise network.

41. *(New)* The method of claim 40, wherein the management data is provided to a client in a predetermined format in a single user-viewable display screen on a real-time basis, regardless of whether the plurality of computer network management means are compatible with each other.

42. *(New)* The method of claim 41, wherein the at least one workflow is presented to the user in the single user-viewable display screen.

43. (New) A method for providing portal interface functionality for at least one enterprise network, wherein the enterprise network includes at least one server system and at least one computer network management means for monitoring the status of the at least one server system and generating management data concerning monitored operating events of the at least one server system that are in need of correction, wherein the management data include device status data, event data, and device performance monitoring data, the method comprising:

- identifying network management services for remote access;
- configuring a user-viewable display screen to interface with the identified network management services;
- logging the user on to the identified network service with functionality in accordance with predetermined user and role segmentation rules;
- receiving management data from at least one of the computer network management means; and
- providing the management data to the user in accordance with predetermined user and role segmentation rules in a predetermined format and in a single user-viewable display screen, regardless of whether the plurality of computer network management means are compatible with each other.